

WHAT IS CLAIMED IS:

1. An image transmission apparatus comprising:
 - a) input means for inputting image data;
 - b) motion detection means for detecting the motion
5 of the image data;
 - c) setting means for setting a transmission
condition of the image data in accordance with
the output of said motion detection means;
 - d) processing means for processing the image data
10 in accordance with the transmission condition
set by said setting means; and
 - e) transmission means for transmitting the image
data processed by said processing means.
- 15 2. An image transmission apparatus according to
Claim 1, wherein said transmission means is wireless
transmission means.
- 20 3. An image transmission apparatus according to
Claim 2, wherein said wireless transmission means is of
spread spectrum system.
- 25 4. An image transmission apparatus according to
Claim 1, wherein said transmission condition is a frame
rate of the image data.
5. An image transmission apparatus according to

Claim 1, wherein said transmission condition is a resolution of the image data.

6. An image transmission apparatus according to
5 Claim 1, wherein said transmission condition is the number of pixels of the image data.

7. An image transmission apparatus according to
Claim 1, wherein said processing means includes coding
10 means for compressing the image data.

8. An image transmission apparatus according to
Claim 7, wherein said transmission condition is a
compression rate of said compression coding means.
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9. An image transmission apparatus according to
Claim 1, wherein said input means includes an image
pickup means for converting an optical image to an
electrical signal.
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10. An image transmission apparatus according to
Claim 9, wherein said motion detection means detects an
image pickup operation of said image pickup means to
detect the motion of the image data.
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11. An image transmission apparatus according to
Claim 10, wherein the image pickup operation is a

panning operation.

12. An image transmission apparatus according to
Claim 11, wherein said motion detection means includes
5 an acceleration sensor.

13. An image transmission apparatus comprising:
a) image pickup condition detection means for
detecting an image pickup condition of image
10 pickup means for picking up an image;
b) information amount reduction means for reducing
an information amount of the image data from
said image pickup means;
c) control means for controlling an operation of
15 said information amount reduction means in
accordance with the output of said image pickup
condition detection means; and
d) transmission means for transmitting the image
data outputted from said information amount
20 reduction means.

14. An image transmission apparatus according to
Claim 13, wherein said control means adaptively
controls the operation of said information amount
25 reduction means between a first mode for setting
preference to a resolution of the image data and a
second mode for setting preference to a frame rate.

15. An image transmission apparatus according to Claim 13, wherein the image pickup condition is an image pickup direction.

5 16. An image transmission apparatus according to Claim 15, wherein said image pickup condition detection means includes an acceleration sensor.

10 17. An image transmission apparatus according to Claim 13, wherein said transmission means is wireless transmission means.

15 18. An image transmission apparatus according to Claim 17, wherein said wireless transmission means is of spread spectrum system.

19. An image transmission apparatus comprising:
a) image pickup means for picking up an image to output image data;
20 b) setting means for setting an image pickup operation mode of said image pickup means;
c) determination means for determining a transmission condition of the image data in accordance with the output of said setting
25 means;
d) processing means for processing the image data in accordance with the transmission condition

determined by said determination means; and
e) transmission means for transmitting the image
data processed by said processing means.

5 20. An image transmission apparatus according to
Claim 19, wherein said transmission means is wireless
transmission mean.

21. An image transmission means according to
10 Claim 20, wherein said wireless transmission means is
of spread spectrum system.

22. An image transmission apparatus according to
Claim 19, wherein the transmission condition is a frame
15 rate of the image data.

23. An image transmission apparatus according to
Claim 19, wherein the transmission condition is a
resolution of the image data.

20 24. An image transmission apparatus according to
Claim 19, wherein the transmission condition is the
number of pixels of the image data.

25 25. An image transmission apparatus according to
Claim 19, wherein said processing means includes coding
means for compressing the image data.

26. An image transmission method comprising the steps of:

- a) inputting image data;
- b) detecting motion of the image data;
- 5 c) setting a transmission condition of the image data in accordance with the detection result of said motion detection step;
- d) processing the image data in accordance with the transmission condition set by said setting
- 10 step; and
- e) transmitting the image data processed by said processing step.

27. An image transmission method comprising the steps of:

- a) picking up an image;
- b) detecting an image pickup condition;
- c) reducing information amount of image data derived in said image pickup step;
- 20 d) controlling an operation of said information amount reduction step in accordance with the detection result of said image pickup condition detection step; and
- e) transmitting the image data outputted in said
- 25 information amount reduction step.

28. An image transmission method comprising the

steps of:

- a) picking up an image and outputting image data;
- b) setting an image pickup condition;
- c) determining a transmission condition of the
5 image data in accordance with the set result
in said setting step;
- d) processing the image data in accordance with
the transmission condition set in said
determination step; and
- 10 e) transmitting the image data processed in said
processing step.